

The Anchorage Amateur Radio Club News Bulletin

January 1996

Anchorage Amateur Radio Club Newsletter
Editor - Harvey Rookus, NL7DK

Vol. 25, No. 1

HAPPY NEW
YEAR TO
ALL

PROGRAM-

"WINTER GAMES VIDEO"

NOTICE

The meeting will be held in "The Carr-Gottstein Building."

This is the second building on the left as you enter the APU Campus.

It is our Old Meeting Place!!

Same time 7:00 PM

JANUARY 5TH 1995

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From The Minutes

By: NL7NN, Susan Woods

The 1st of December 1995 General Meeting of the Anchorage Amateur Radio Club was held on the Second floor of the Atwood Center on the Alaska Pacific University campus. The Christmas Party began at 6:00 pm. Live music was provided by Pianist Suzanne Wetterall. Members and their guests visited until 6:30 pm at which time Mel Saunders, AL7PB, incoming 3 year board member, welcomed everyone to the festivities. All members were encouraged to check in with John Bury, KL7QZ, for door prize tickets. Then Mel invited all present to eat. At 7:00 pm that famous man in red - Santa Claus arrived, bringing gifts to about fifteen children!

At 7:30 pm, a group of ladies led all present in the singing of Christmas Carols. Lilly Marvin, NL7DL, who was the leader of the group, sang three Christmas solos. After the caroling was completed, Mel Saunders, AL7PB brought out all of the door prizes. Before the radio, red, green and white crocheted cookie bags, Santas and mystery boxes were given away. Susan Woods, NL7NN, representing the PARKA (Polar Amateur Radio Klub of Alaska) group presented the following awards: PARKA plaques went to,

Scott McCormick, WL7CJM for Novice/Rookie of the year 1995.

Gerianne Thorsness, WL7RY for Community Activity Ham of the year 1995.

Roger Hansen, KL7HFQ, received the Lifetime Achievement Award - 1995

The last door prize to be given away was an Icom dual band handi-talkie. When Roger Sheley, NL7RY heard his name called, he stood up, thanked the AARC profusely, then headed out the door.

Merry Christmas and Happy New Year to all of you from the Anchorage Amateur Radio Club.

These minutes were written with the help of Gerianne Thorsness, WL7RY, and respectfully submitted by, Susan J. Woods, NL7NN Sec. AARC.

NOTE: The Board Minutes for December will be in the February Newsletter!

Notice

The Newsletter Editor is looking for someone to help put out the April Newsletter and then put out the May Newsletter by themselves. The Editor plans to be out of the state for the entire month of April 1996. Anyone who would be interested in giving a helping hand please call Harvey - NL7DK at 333-4693. Thanks, Editor.

PS Anyone who has any new or better ideas, stories or thoughts regarding the Newsletter will be welcomed also. NL7DK.

SILENT KEYS

Mary Olendorff - KL7BJD became a Silent Key on November 20, 1995. Mary came to Alaska in 1951, living at Big Lake for 10 years and in Anchorage for 35 years. She was a member of the Anchorage Amateur Radio Club and also a member of QCWA (Quarter Century Wireless Association.) For quite a few years Mary had lived at the Pioneer Home in Anchorage from where she operated a Ham station. Even when Mary's health kept her from doing much she was at many Ham events to lend her presence and any help she could offer. We will miss her!

Edwin 'Dick' Hann - AL7LE, formerly WB6DPY, became a Silent Key on November 16, 1995. Dick came to Alaska in 1981, living in Eagle River for a short time, before moving to Kasilof. Dick was a past president of the Golden Empire Amateur Radio Club of Chico, California and also past president of the Moose Horn Amateur Radio Club of Kenai.



The Anchorage Amateur

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Club Radio News Bulletin is

1996 ARCTIC WINTER GAMES UPDATE

WINTER GAMES VIDEO TO BE SHOWN AT JANUARY MEETING

As of now we have a total of three people signed up to help out with amateur radio communications at the Winter Games. This means that our present plans limited to operating a special events station at Chugiak High School during the week of March 3-10. We will try to keep it in operation from about 8:00 AM to 8:00 PM daily. Hopefully a HF station can be set up to do some operating from the site. At the very least we will be set up to accept radiogram messages from Games participants and relay them via 2 meter FM to area amateur radio operators for further relay on amateur radio networks to their destinations.

If additional people volunteer to help, other operations are possible such as:

- Packet communications for results announcements
- Communications for transportation buses
- Amateur TV coverage of events
- Communications for outdoor events
- Communications networking for the entire Winter Games organization

Copies of sign up sheets and volunteer registration forms will be available at the January meeting.

TUBES FOR RUSSIANS

The other night I was talking to UA0IAS and was told that the radio club in Magadan has recently acquired some old US made amateur equipment which they are trying to get fixed up. Naturally, the tubes that the equipment uses are not readily available in Russia; so I told the operator, RW0IWR, that we would try to help get him some of the tubes they need. The following lists are tubes that are needed to get equipment working and ones that they need for spares. Please check your junk boxes to see if you have any of them. Also pass this list along, via the internet or radio contacts, to anyone else who you know that may be able to supply some. Provisions have been made for the tubes to be picked up in Anchorage and hand carried to the Russian radio club early next year. Bring any tubes you can supply to the AARC meetings or contact me and I will arrange to pick them up (in the Anchorage area).

73 Larry N7DF 338-2718

**NEEDED
FOR REPAIRS**

~~6JS6 A,B or C~~
~~6KB6~~
~~7360~~
~~0A2~~
~~6CL6~~
~~6HS6~~

NEEDED FOR SPARES

~~6BM8~~
~~6EJ7~~
~~12AU7~~
~~6BZ6~~
~~6U8~~
~~6BN8~~
~~6EA8~~
~~12AT7~~

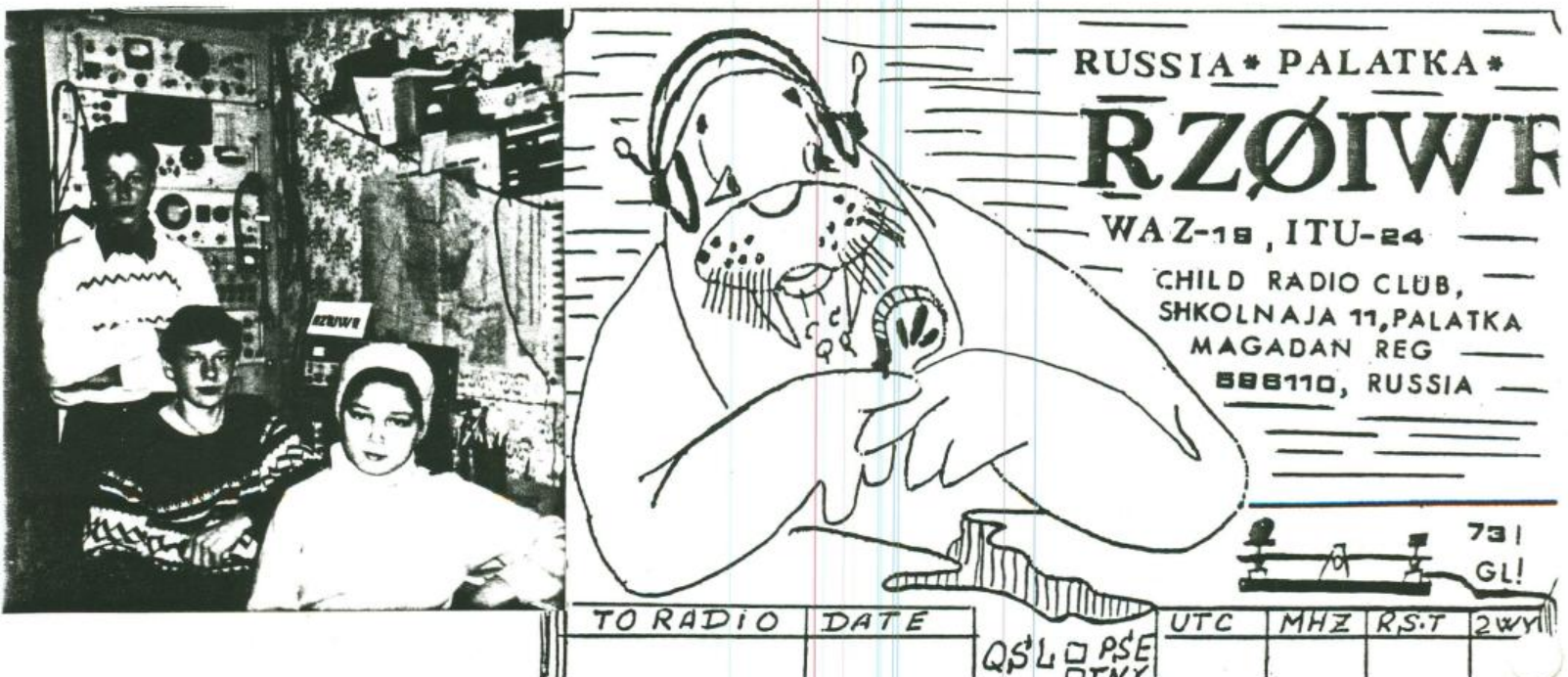
~~12BY7A~~
~~6CB6~~
~~6AV6~~
~~12AX7~~
~~6BA6~~
~~6CL6~~
~~6GW8~~

FROM: LIL MARVIN NL7DL

This is an example of what happens to nonused equipment which the AARC obtains through donation or as part of a silent key's estate. Look slightly to the left of the head of the young girl in the front and you will see part of a Tempo 1 HF radio. This radio is currently part of the equipment of the Children's Radio Club RZ0IWR of Palatka, Magadan, Russia. It was donated to the club by the AARC about a year ago, and the young members of the club have made good use of it since then. The AARC has also, with the help of Roger Hansen KL7HFQ and others, sent RZ0IWR some old tube-type radios, and many parts necessary for making repairs and modifications, and will continue to do so as needed in the future.

What does a young person in Magadan, Russia do when it's cold outside, there is nowhere to go and nothing to do except get into trouble? If Vladimir Kolodkin UA0IAS, an ex-pilot, has his way, these young people join RZ0IWR. Vlad has dedicated his time and expertise to these young people and their radio club. Vlad shows up at our back door from time to time (but we never know when until we actually see the whites of his eyes!) and often walks away with equipment donated from the AARC. With Vlad's help these young people take the equipment and parts (almost all of which is very difficult to obtain in Russia) donated to them and do many of the repairs and modifications themselves, including modifying the equipment to work on the 220-volt electricity in use in Russia. They also make good use of the equipment on the air. They have worked many Alaska stations, and some of you may be among them. (I know because I am their Alaska QSL card manager!)

The young people pictured from front to back are: Svetlana, aged 12; Alex, aged 12; and Alexis, aged 14.



VEC REPORT

January 1996

CALL	FROM	TO
ANCHORAGE		
LESLIE R. BRODIO (PALMER)	NO LICENSE	TECHNICIAN
JOHN D. CALHOUN (E.RIVER)	NO LICENSE	TECH PLUS
ALBERT L. HAYNES (CHICKALOON)	KL7HHR GENERAL	ADVANCED
RONNIE G. HUNEMULLER (EAFB)	NO LICENSE	TECHNICIAN
RICHARD W. KOTSCH (INDIAN)	NO LICENSE	TECHNICIAN
STEPHEN T. MILLER (FT. RICH)	WL7YQ TECHNICIAN	TECH PLUS
BETHEL		
BIG LAKE		
BYERS LAKE		
EAGLE RIVER		
FAIRBANKS		
GEORGE A. APLUSTILL	NO LICENSE	TECHNICIAN
DEBORAH L. BENIKE	NO LICENSE	TECHNICIAN
WILLIAM F. BUCHANAN	NO LICENSE	TECHNICIAN
PAUL C. COSTELLO	NO LICENSE	TECHNICIAN
MATT W. CHRISTIAN	NO LICENSE	TECH PLUS
CAROL E. DE VOE	NO LICENSE	TECHNICIAN
DAVID H. DE VOE	NO LICENSE	TECHNICIAN
ANNA M. FATH	NO LICENSE	TECHNICIAN
ROBERT D. FATH SR.	NO LICENSE	TECHNICIAN
MIKEL D. GASAWAY	NO LICENSE	TECHNICIAN
CECIL F. GATES (EX KL7GGL) (NENNANA)	NO LICENSE	ADVANCED
JULIUS C. GIVENS (N. POLE)	NO LICENSE	TECHNICIAN
CHAD E. GUDSCHINSKY (11 yrs old)	NO LICENSE	TECHNICIAN
WILLIAM R. HAMMOND	NO LICENSE	TECHNICIAN
RITA M. HEIDKAMP	NO LICENSE	TECHNICIAN
SCOTT W. HEIDORN	NO LICENSE	TECHNICIAN
REID E. HERMANN	NO LICENSE	TECHNICIAN
KEVIN A. KOLVA (EILSON AFB)	NO LICENSE	TECHNICIAN
KATHLEEN M. LAWSON	NO LICENSE	TECHNICIAN
JOHN H. PATTERSON	NO LICENSE	TECHNICIAN
KELLY D. PHILBRICK (FT. WAINWRT)	NO LICENSE	TECHNICIAN
RYAN N. RAY (7 YRS OLD)	NO LICENSE	TECHNICIAN
WENDY J. RAY	NO LICENSE	TECHNICIAN
MICHAEL J. SAMPSON	NO LICENSE	TECHNICIAN
TOBE A. SANFORD (14 YRS OLD)	NO LICENSE	TECHNICIAN
AUGUS W. SCHUELKE JR. WL7CPH	TECHNICIAN	TECH PLUS
JOHN F. WYOTE (FT. WAINWRT)	NO LICENSE	TECHNICIAN
PETER KRUGER-LARSEN (DT. JCTN) WL7CNU	TECH PLUS	GENERAL
JUNEAU		
DOROTHY M. ALLEN	NO LICENSE	TECHNICIAN
SHERYL A. BARNSTEAD (AUKE BAY)	NO LICENSE	TECHNICIAN
DIANE J.M. BOWES	NO LICENSE	TECHNICIAN
GEORGE F. JESSUP	KA7TPO NOVICE	TECHNICIAN PLI
TERESA C. MARSHALL	NO LICENSE	TECHNICIAN
HAINES		
KENAI		
PALMER		
PETERSBURG		
SOLDOTNA		
TRAPPER CREEK		
VALDEZ		
WASILLA		
WILLOW		

NOTE (TECHNICIAN = NO CODE TECHNICIAN)
 (TECHNICIAN PLUS = TECHNICIAN WITH H.F. PRIVILEGES)
 submitted by Roger Hansen, KL7HFQ, VEC Director)

Electromagnetic Fields - FINIS

through the Faraday effect. For the charge-to-mass ratios involved, the cyclotron orbit radii would be many orders of magnitude too large, roughly 2 meters in the case of a calcium ion moving in the Earth's magnetic field at thermal velocities characteristic of body temperature. Collisions in the liquid environment would destroy any such orbits before they were formed.

Early reports of such low-frequency resonances and related "window effects" were based on marginal statistical accuracy, and the results varied from one paper to another. More important, many attempts by independent observers to reproduce such effects have failed.

There is no believable evidence that low-level electric and magnetic low-frequency fields in the common urban environment from power distribution lines and home appliances represent any significant threat to human health. From a physical basis, the fields induced in the body from such sources must be small compared to unavoidable fields that are present all the time from natural processes. Fear of adverse health effects from power lines will go down in history as another case of nonscience, like cold fusion and "the fifth force."

Yet according to D. Allan Bromley, science advisor to President Bush, the current scare might have cost the American public as much as \$23 billion during the five-year period starting in 1989, largely in moving and burying high-voltage lines. Others have put lower figures on the cost. Estimates generally omit the cost of schools that have been

shut down and the loss of property values resulting from the scare.

More ominously, the meter is still running. Half a dozen states have adopted poorly thought out legal limits on field strengths near power lines that are based on the status quo, which is bound to be counterproductive. In Florida, the first state to enact such a law, the maximum allowable magnetic field at the edge of a right of way actually increases with the line voltage. That may be a practical necessity for existing lines, but the health implication, that a higher magnetic field is acceptable as long as the electric field also increases, is ridiculous.

The threat to put warning labels on electric can openers and TV sets will only trivialize legitimate health warnings. The woman from Long Island who took her son out of school after she measured a 20 mG field near his seat in the classroom did more damage to the child by interrupting his education than any believable effect of an ELF field. What people do in these situations is limited by available resources and an evaluation of other risks. Parents who pay to bury an electrical conduit from the street in order to avoid a 10 mG field in their child's bedroom have that much less to spend for truly preventive medicine or for education.

Electricity is the cleanest form of energy available. Its curtailment as a result of foolish legislation or lawsuits against power companies would be a major tragedy. What we really should be doing to reduce carcinogenic pollutants and to minimize long-term threats to our society is reducing our dependence on petroleum as a fuel for transportation.

CONTAMINATION MAY EXPLAIN IN VITRO EFFECTS

In spite of physics, some investigators find that low-frequency electromagnetic fields have effects on cultured cells. Their results are inconsistent and difficult to replicate, but they are a principal reason why the possibility continues to arouse controversy.

Ferromagnetic particles are common in airborne dust and have been found to contaminate new laboratory glassware, plasticware, and even reagents. In a sham experiment, enough particles were recovered from rinsing a few new items of labware to potentially outnumber the cells that could have been cultured using those utensils.

If there were a large enough number of magnetite domains per cell, energy transfer could alter the function of mechanically gated ion channels, which normally operate at energy levels not much above thermal noise. It would take a magnetic field of at least 1400 milligauss at 60 Hz to open an ion channel with a magnetite particle of about 30 domains. Such a field is hundreds of times larger than those found near ground level from power lines.

Research with sensitive magnetometers requires special "clean lab" techniques to avoid contamination by dustborne ferromagnetic particles. Those who find low-frequency field effects on cells should try their experiments under similarly uncontaminated conditions.

Atsuko K. Kobayashi, Joseph L. Kirschvink, and Michael H. Nesson, *Nature* 374:123, March 9, 1995.

RECENT REVIEW

William R. Bennett, Jr.: *Health and Low Frequency Electromagnetic Fields*. New Haven, Yale University Press, 1994.

ORIGINAL PAPERS

Nancy Wertheimer and Ed Leeper, *American Journal of Epidemiology* 109:273-284, March 1979. [The original Denver study.]

Stephanie J. London et al., *American Journal of Epidemiology* 134: 923-937, November 1, 1991. [The Los Angeles study.]

Robert K. Adair, *Bioelectromagnetics* 14:231, 1993. [Effects of ELF magnetic fields on biologic magnetite.]

W. Ross Adey, *Neurochemical Research* 13:671-677, 1988. [External fields, membrane transport, and cancer promotion.]

Carl F. Blackman et al., *Bioelectromagnetics* 6:1-11, 1985. [Putative resonance effect of external fields on calcium ion efflux from brain tissue.]

Adapa V. Prasad et al., *Health Physics* 66:305-312, March 1994. [Failure to find cyclotron resonance effect.]

Anchorage Amateur Radio Club - 12/17/95

<u>LASTNAME</u>	<u>FIRSTNAME</u>	<u>2NDNAME</u>	<u>ADDRESS</u>	<u>CITY</u>	<u>STATE</u>	<u>ZIP</u>	<u>PHONE</u>
AARC	THE		KL7 AA POB 101987	ANCHORAGE	AK	99510-1987	345-0719 Auto 919
ALBERT	TERRY		WL7 S 7800 Debarr Spe #24	Anchorage	AK	99504	hm333-6196
ALLMARAS	VERONICA		WL7 RZ POB 110202	ANCHORAGE	AK	99511-0202	H:248-5312
ANDERSON	VILMA M		NL7 YK POB 13089	TRAPPER CREEK	AK	99683	H:733-1454
ARSENAULT	JOHN		KL7 IQP IN MEMORY	KENAI	AK		SILENT KEY
BAILEY	PETER		WL7 BW 3630 LOC SAULT AV	ANCHORAGE	AK	99516	H:345-3458 W:786-1956
BAILY	DOUG		WL7 DV 3605 ARCTIC BL #1444	ANCHORAGE	AK	99503	H:248-5779 W:276-4331
BAKER, JR	ROBERT		NL7 UQ 5779 E. 2ND ST	TUCSON	AZ	85711-1511	602-747-7584
BAKER, SR	ROBERT		NL7 UH 840 BREAKWATER CIR	ANCHORAGE	AK	99515	H:345-4692 W:343-6509
BALL	VIRGIL		AL7 GJ POB 315	GLENNALLEN	AK	99588-0315	H:822-5276 W:822-3201
BALZARINI	BILL		KL7 BB 2525 S. 355TH PL	FEDERAL WAY	WA	98003	206-661-7373
BARBER	WILLIAM		KL7 GM 5201 E. 22ND AV	ANCHORAGE	AK	99508-3705	H:333-7019
BARKER	WILLIAM		AL7 JT 9021 NOBLE CIR	ANCHORAGE	AK	99502	H:243-7815
BATHONY	TIBOR		1420 NW GILMAN BL #2153	ISSAQUAH	WA	98027-7001	
BEACH	BILL	& MARGEE	AL7 MM P.O. Box 270804	FT. COLLINS	CO	80527-0804	H970-227-3356 W221-8650
BEAUGARD	P.		KL7 EJ 7320 AUGUSTINE DR	ANCHORAGE	AK	99504	H:333-8865 W:265-8658
BELLER	JOAN		AL7 NK 6010 1/2 PORTAL WAY	FERNDAL	WA	98248-9360	H:338-0838 W:265-6090
BELLER	MERLE		AL7 LD 4341 TIKISHLA ST	ANCHORAGE	AK	99504	H:338-0838 W:263-4666
BENDER	JIM	& MICHELLE	KL7 ZV 23026 100TH AV SE	KENT	WA	98031-3231	
BENSON	BRUCE		NL7 NW 5331 WHISPERING SPRUCE	ANCHORAGE	AK	99516	H:345-0929 W:269-1131
BENSON	A.E.		NL7 EY IN MEMORY	ANCHORAGE	AK		SILENT KEY
BERG	BLAINE		KL7 TG 1115 GAV WY	ANCHORAGE	AK	99504	H:337-2951
BERG	LINDA		NL7 RE 1115 GAV WY	ANCHORAGE	AK	99504	H:337-2951
BIANCO	ALLEN		KL7 FKO IN MEMORY	ANCHORAGE	AK		SILENT KEY
BIERMAN	JOHN	& DOROTHY	KL7 GNP 4304 GARFIELD ST	ANCHORAGE	AK	99503	H:562-5001 QSL B/MGR
BLASKO	JOHN		WL7 SO 3501 E. 144TH AV	ANCHORAGE	AK	99516	H:345-0660
BLEDSE	CRAIG		K4 TXK 18811 JAMIE DR	EAGLE RIVER	AK	99577	H:694-4730 W:428-6070

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BOSCO, JR	EDWARD		WL7 BOR	4700 RIVERTON AV	ANCHORAGE	AK	99516	H:345-4530 W:552-4630
BOUDEN	JEFF			1747 KUSKOKWIM	ANCHORAGE	AK	99508	W:562-2772
BOWLIN	FRANK	(PO RTND)	WL7 D	POB 671065	CHUGIAK	AK	99567	H:688-5253 W:257-8040
BOWMAN	HARRY		WL7 JW	4014 CALLE SONORA OESTE	LAGUNA HILLS	CA	92653	
BRASSEUR	HERBERT		KL7 JIG	11C 69 BOX 78	MIRROR LAKE	NH	03853	
BRENNER	JIM		NL7 LN	POB 1067	KODIAK	AK	99615-1067	H:486-4613 W:486-3126
BRENNER	SUSAN		NL7 TC	POB 1067	KODIAK	AK	99615-1067	H:486-4613
BRODEN	RON		WL7 SE	17740 BEAUJOLAIS DR	EAGLE RIVER	AK	99577-7517	H:276-3927 W:552-4617
BRONNER	BEVERLY		WL7 AZ	2240 BANBURY DR	ANCHORAGE	AK	99504	H:333-8614
BRONNER	JACK		WL7 AC	2240 BANBURY DR	ANCHORAGE	AK	99504	H:333-8614
BROPHY	NANCY		NL7 PN	18636 NEVA CIR	EAGLE RIVER	AK	99577	H:694-3089
BROPHY	WALTER		AL7 KE	18636 NEVA CIR	EAGLE RIVER	AK	99577	H:694-3089
BURKEVICH	WALTER		KL7 IW	2825 E 18TH AV	ANCHORAGE	AK	99508	H:277-0450
BURY	JOHN		KL7 QZ	10300 THUJA CIR	ANCHORAGE	AK	99507	H:349-8754
CADMAN	TED	& BELVA J	KL7 CCI	3212 CREEKSIDE DR	ANCHORAGE	AK	99504	H:333-5823
CAMACHO	JOE	(PO RTND)	NL7 RX	13825 78TH AVE. S	SEATTLE	WA	98168-4020	
CAPERS	B.B.		AL7 BB	1414 PATTERSON	ANCHORAGE	AK	99504	H:337-2916 W:384-2408
CARRAWAY	AL		WL7 LA	5070 NOTTINGHAM WY	ANCHORAGE	AK	99503	H:561-0340 W:562-0004
CARRAWAY	BILL		WL7 MC	5070 NOTTINGHAM WY	ANCHORAGE	AK	99503	H:561-0340
CARRAWAY	CONNIE		WL7 KZ	5070 NOTTINGHAM WY	ANCHORAGE	AK	99503	H:561-0340
CARRAWAY	SIMON		NL7 VR	5070 NOTTINGHAM WY	ANCHORAGE	AK	99503	H:561-0340 W:349-8922
CARTY	JOHN		WA1 ACN	5051 BRYN MAWR CT	ANCHORAGE	AK	99508	H:333-6987 W:265-4759
CHALIFOUR, JR	FRANK		KL7 HQY	3605 ARCTIC BL	ANCHORAGE	AK	99503	H:344-7393 W:248-3226
CHAMBERLAIN	ALDEN	& FAMILY	WL7 CY	8207 E. 5TH AV	ANCHORAGE	AK	99504-1535	H:337-7809
CHANDLER	BRUCE		KL7 QN	10920 KASILOF BLVD	ANCHORAGE	AK	99516	H:346-2935 W:561-4406
CHANDLER	JARED		N3 MNF	10920 KASILOF BLVD	ANCHORAGE	AK	99516	H:346-2935
CHANDLER	KATY		KA3 ZOI	10920 KASILOF BLVD	ANCHORAGE	AK	99516	H:346-2935
CHASE	ARTHUR		KL7 FS	798 S. MICHAEL WY	CAMANO ISLAND	WA	98292	206-387-3604
CHOATE	TOM		KL7 JA	3130 KENWOOD CIR	ANCHORAGE	AK	99504	H:333-5309

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CHOUDHURY	RAJ		AH0 AH	5250 RIVERTON	ANCHORAGE	AK	99516	
CHRISTENSEN	ROBERT		KL7 ERV	POB 871075	WASILLA	AK	99687-1075	
CHRISTL SR	ROBERT	M	KL7 UR	POB 381	KASILOF	AK	99610	H:262-2439
CISMOSKI	DAN		KL7 ND	13701 WESTWIND DR	ANCHORAGE	AK	99516	H:345-5590 W:552-4674
CLARE	MARIUM		WL7 CFA	10901 CLARE CIR	ANCHORAGE	AK	99516	H:346-3109 W:264-1435
CLOUGH	JOHN	(PO RETND)	NL7 CN	5232 E. 24TH AV APT A	ANCHORAGE	AK	99508	W:338-3089
COLE	EDWARD		AL7 EB	POB 8672	NIKISKI	AK	99635-8672	H:776-5829 W:776-5129
COLEMAN	CHARLES		KL7 CMQ	POB 200132	ANCHORAGE	AK	99520-0132	
COLLISON	LES	(TEMP AWY)	KL7 GRT	POB 85	EASTON	WA	98925	
COMFORT	TIMOTHY		NL7 SK	POB 795	PALMER	AK	99645	W:376-5274
COMMITTEE	IDITAROD TRAIL			POUCH X	WASILLA	AK	99687	
CONARY	LORRAINE		KL7 IAF	6044 STAEDEM	ANCHORAGE	AK	99504	H:333-6305 W:561-1001
COWLES	RON		AL7 JN	9116 W. PARKVIEW TERR LP	EAGLE RIVER	AK	99577	H:694-7305 W:269-1139
CRAUSWELL	KEVIN		WL7 BPY	POB 142564	ANCHORAGE	AK	99514-2564	H:522-3458 W:265-7536
CURMAN	JOYCE		KL7 MQ	95 OLD ALABAMA WAGON RD	TAYLORSVILLE	GA	30178	
DAY	RICHARD		KL7 SH	109901 HIDEAWAY LK. SR.	ANCHORAGE	AK	99516	H:278-1250 W:561-1902
DEADRICK	DON		WL7 FQ	4233 RIDGEWOOD AV	BELLINGHAM	WA	98226-2532	206-647-6060
DELANCY	APRIL		AL7 CV	POB 189	BYRANTOWN	MD	20617	
DELANCY	J A D	'JD'	K1 ZAT	POB 189	BYRANTOWN	MD	20617	
DENNIS	RICHARD		KL7 IOL	POB 169	EMMONAK	AK	99581	H:949-1340 W:949-1248
DEVOE	HAROLD		KL7 MF	IN MEMORY	ANCHORAGE	AK		SILENT KEY
DICKINSON	DOUGLAS	'DOUG'	KL7 IKX	POB 110872	ANCHORAGE	AK	99511-0872	H:346-1822 W:267-1223
DICKSON	THOMAS		AL7 KE	1361 W. 78th Ave.	Anchorage	AK	99518	349-3925
DICKSON SR	THOMAS		AL7 KO	1361 W. 78TH AV	ANCHORAGE	AK	99518	H:349-3925
DON	PEGGY & KENNE		AL7 CY	POB 111221	ANCHORAGE	AK	99511-1221	H:345-1504 W:243-1987
DOUTHAT	CAROL		WL7 RR	POB 38	CHUGIAK	AK	99567	H:688-3795 W:376-5371
DOUTHAT	DARYL		WL7 EK	POB 38	CHUGIAK	AK	99567	H:688-3795 W:786-1709
DOWDING	FIELDER GEORG		KL7 FHX	909 CHUGACH WY #35	ANCHORAGE	AK	99503	H:563-6733
DOYLE	BERNIE	PO TEMP AWAY	WL7 BUJ	POB 2361	KENAI	AK	99611	H:283-7324 W:659-8429

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DRAKE JR	FRANCIS		KL7 IPV	4964 HARVEST RD	COLORADO SPGS	CO	80917-1015	
DUKE	ROGER	& FAMILY	KB7 AJ	6900 ROUND TREE DR	ANCHORAGE	AK	99516	H:346-2912
DUNBAR	LANCE		AL7 BK	3153 CAMPBELL AIRSTRIP RD	ANCHORAGE	AK	99504	H:337-6297 W:561-5457
DUTTON	HARRY		AL7 M	POB 229	DEER LODGE	MO	59722-	
EASTERLY	LYLE		NL7 K	5323 MARIA CT	ANCHORAGE	AK	99508	H:337-2559 W:274-2671
EATON	CAROL		NL7 UX	2952 MADISON WY	ANCHORAGE	AK	99508-4477	H:276-5293 W:266-1630
EATON JR	EUGENE		AL7 HX	2952 MADISON WY	ANCHORAGE	AK	99508-4477	H:276-5293
EAVES	JIM		AL7 IX	19444 OSTORIA CIR	EAGLE RIVER	AK	99577	H:696-5282 W:262-8120
EDGE	ELLEN	(RTND NFA)	KL7 OR	POB 211869	ANCHORAGE	AK	99521-1869	H:338-4409 W:561-1944
EDMONDSON	DEREK		NL7 HQ	1991 FYFE CIR.	ANCHORAGE	AK	99507	H:244-2499 W:564-8027
EGGLESTON	KEN		NL7 SP	POB 1045	BETHEL	AK	99559	H:543-2550 W:543-3548
ENGLE	PAMELA		WL7 VN	720 JACK ST	ANCHORAGE	AK	99515	H:344-0601
EPPERSON	BUD	(MVD NFA)	KL7 OB	POB 30007	RENO	NV	69520-3007	
EPSTEIN	DAVID		KL7 LO	POB 100188	ANCHORAGE	AK	99510-0188	H:243-5916 W:271-5351
ERICKSON	FRED		KL7 VC	12531 ALPINE DR	ANCHORAGE	AK	99516	H:345-2181
ERICKSON	JANA		NL7 WV	12531 ALPINE DR	ANCHORAGE	AK	99516	H:345-2181
ERICKSON	JOAN		WL7 IB	12531 ALPINE DR	ANCHORAGE	AK	99516	H:345-2181
ESTES	STEVEN		KL7 XO	972 BALLAINE RD	FAIRBANKS	AK	99709	H:479-5819 W:474-7425
EVANS	DAVID		AL7 JZ	POB 110742	ANCHORAGE	AK	99511-0742	H:349-7862 W:267-1446
FAIRCHILD	CAROL SUE			10141 STROGANOF DR	ANCHORAGE	AK	99516	H:346-1571
FAIRCHILD	PAUL		N6 HBK	10141 STROGANOF DR	ANCHORAGE	AK	99516	H:346-1571 W:659-5570
FARKAS	BOB		KL7 TP	3004 WESLEYAN DR	ANCHORAGE	AK	99508	H:333-5248 W:564-4273
FARNEY	HAROLD	(PO RTND)	KL7 HQJ	312 W. HASTINGS RD	SPOKANE	WA	99218	
FAULTERSACK	BEVERLY		WL7 AXI	27705 NE 37TH ST	REDMOND	WA	98053-9138	
FAULTERSACK	ROBERT		KL7 SV	27705 NE 37TH ST	REDMOND	WA	98053-9138	
FERGUSON	MORRIS		NL7 ZY	2307 E 88TH AVE	ANCHORAGE	AK	99507-3857	H:561-4099
IORELLA	JOHN		WL7 CCQ	2200 SENTRY#14	ANCHORAGE	AK	99507	H:242-8476 W:561-1313
FLINT	CATHERINE		NL7 XC	2902 ASPEN DR	ANCHORAGE	AK	99517	H:243-6706 W:564-4141
FLINT	ROBERT		KL7 JHQ	2902 ASPEN DR	ANCHORAGE	AK	99517	H:243-6706 W:564-4717

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FLYGENRING	GUNNAR		WL7 KL 2300 LOUSSAC DR	ANCHORAGE	AK	99517	H:248-4727 W:248-9595
FORSMOE	PALMER	& FAY	W0 VWJ POB 1185	HETTINGER	ND	58639-1185	
FOX	DAVID		KB6 HPY 7511 SPORTSMEN PT. CIR	ANCHORAGE	AK	99502	H:243-4418 W:249-3277
FREDSTROM	M. NEAL		KL7 HKP 3405 N BOYER RD	SANDPOINT	ID	83864-7401	
FULLER	LLOYD		KL7 JGN 9460 STRATHMORE RD	ANCHORAGE	AK	99515-1145	H:248-0229 W:564-1546
FULTON	DAVE		KL7 AGU	ANCHORAGE	AK		SILENT KEY
GAMEL	BETH		KL7 ZP 5146 SILLARY CIR	ANCHORAGE	AK	99508	H:337-5237
GAMEL	WILLIAM		KL7 ZO 5146 SILLARY CIR	ANCHORAGE	AK	99508	H:337-5237 W:762-3131
GANOPOLE	JERRY		WL7 AME 2536 ARLINGTON DR	ANCHORAGE	AK	99517-1303	H:277-7887
GELLERT	HUBERT		KL7 IWV 12831 TRACY WY	ANCHORAGE	AK	99516	
GIEBEL	ALFRED		KL7 TO 8110 JEWEL LAKE RD	ANCHORAGE	AK	99502	H:243-2195
GILBERT	ORV		KL7 IZL 6021 TRAPPERS TRAIL	ANCHORAGE	AK	99516	H: 345-0829
GILES	DON		AL7 KD 14710 PARK HILLS CIR	ANCHORAGE	AK	99516-4245	H:345-5113 W:659-5234
GILL	KEN		WL7 IA POB 7593	NIKISKI	AK	99635	H:776-7066
GILMORE	HARRY		KL7 VB POB 203334	ANCHORAGE	AK	99520-3334	H:333-9067 W:271-5280
GLEASON	D.B.	(PORTND)	KL7 GGT POB 698	COOPER LANDING	AK	99572	
GOULD	ROY		AL7 MZ 7121 E. 34TH AV	ANCHORAGE	AK	99504	H:337-7632
GRAHAM	FRED		KL7 FK 2208 HEAVENLY VIEW DR	HENDERSON	NV	89014	
GRAHAM	JIM		KL7 GNN 4411 WORONZOF DR	ANCHORAGE	AK	99517	H:248-4411 W:252-2415
GRATRIX	ERLDON	'GUS'	WL7 BJB IN MEMORY	ANCHORAGE	AK		SILENT KEY
GREELEY	GLEN		KL7 BI POB 425	POCATELLO	ID	83204	
GREENE	KEN		KK6 MR 15483 NANCY WY	GRASS VALLEY	CA	95949-8960	
GREENE	GUY	(PORTND)	KL7 GHB 13520 WESTWIND DR	ANCHORAGE	AK	99516-3409	H:345-5840 W:279-0543
GROOMER	WAYNE		KL7 HHO POB 874045	WASILLA	AK	99687-4045	H:376-5604
GUNSON	ROBERT		KL7 PC POB 774002	EAGLE RIVER	AK	99577-4002	H:694-7040
HADLEY	MARK		KL7 HD 1304 W. 15TH AV	ANCHORAGE	AK	99501	H:272-2767 W:274-3017
HALLGRIMSON	PETE		NL7 YH 4923 E. 6TH AV	ANCHORAGE	AK	99508	H:333-2014 W:343-4545
HAMMER	CLARENCE		NL7 HF 1001 BONIFACE PKWY SP 7-O	ANCHORAGE	AK	99504	H:338-3367 W:261-3610
HAMMER	DIANNE		NL7 KN 1001 BONIFACE PKWY SP 7-O	ANCHORAGE	AK	99504	H:338-3367

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HAMMOND III	LYNN		KL7 IKV 2632 KENMORE CIR	ANCHORAGE	AK	99504	H:337-6170 W:561-0325
HANRAATH	ROSEMARY		KL7 LA HC 89 BOX 484	WILLOW	AK	99688	H:495-6213
HANRAATH	DEL		KL7 JKW IN MEMORY	WILLOW	AK		SILENT KEY
HANSEN	ROGER		KL7 HFQ POB 520343	BIG LAKE	AK	99652	H:892-6365 W:786-8121
HANSEN	ROY		KL7 GQ POB 884	VALDEZ	AK	99686-0884	
HANSWHEW	NANCY		WL7 COD POB 873438	WASILLA	AK	99687-0884	
HANSHEW	ADAM		POB 873438	WASILLA	AK	99687-3438	H:373-0763 W:745-9541
HARPSHER	JAMES	A.	WL7 PB 6611 ROUND TREE DR	ANCHORAGE	AK	99516	H:346-1740
HARRIS	BILL		WL7 AFN 1135 NEBRASKA AV NE	SALEM	OR	97301	H:503-585-4617
HARRIS	CURT		KL7 IUJ 6242 COLLINS WY	ANCHORAGE	AK	99502	H:243-7387 W:269-5738
HAUSER	SANDY		POB 878025	WASILLA	AK	99687-8025	
HAYNES	AL		KL7 HHR POB 1149	CHICKALOON	AK	99674	H:745-5433
HEAD	BETH DANIEL		NL7 FZ 829 RALPH DR	CARY	NC	27511-4063	
HEATER	DALE		WL7 NS POB 670197	CHUGIAK	AK	99567-0197	H:688-2015
HEATER	MARY		WL7 QI POB 670197	CHUGIAK	AK	99567-0197	H:688-2015
HEATH	JASPER		KL7 MD POB 875335	WASILLA	AK	99687-5335	
HEGG	ARYN		NL7 PR HC31 BOX 5254A	WASILLA	AK	99654	H:376-8548
HEGG	PETER		NL7 PS HC31 BOX 5254A	WASILLA	AK	99654	H:376-8548 W:376-3201
HENDRICKS	JOHN		AL7 OK 12840 HUFFMAN CIR	ANCHORAGE	AK	99516	H:345-8210 W:276-7675
HILTON	JAMES	'JIM'	KL7 IMD 3437 DICKSON DR	ANCHORAGE	AK	99504	H:337-5058
HILTON	SUE		NL7 AV 3437 DICKSON DR	ANCHORAGE	AK	99504	H:337-5058 W:266-1314
HISAMOTO	ROBERT		KL7 AM 3985 DUNLAP	FAIRBANKS	AK	99709	H:479-5025
HITCHEN	HAROLD		KL7 PG 3113 W. 42ND PL	ANCHORAGE	AK	99517-2834	H:248-3308
HOCH	GREGORY		WL7 WS 17807 KANTISHNA DR	EAGLE RIVER	AK	99577	H:696-0517 W:696-5217
HOWELL	DON		KL7 IFK 3477 S. SIESTA RD	YUMA	AZ	85365	
HUMMEL	ROBERT		NL7 ZG 624 E. AUKLET	PALMER	AK	99645	H:746-4243 W:349-9100
HURD	GEORGE		KV9 D 2901 CONCORD LN	ANCHORAGE	AK	99502	H:243-0723 W:552-5652
HURD	PAMELA		NL7 JH 2901 CONCORD LN	ANCHORAGE	AK	99502	H:243-0723 W:552-8879
JACOBSEN	JOHN	J.	NL7 NU POB 292	EAGLE RIVER	AK	99577	H:243-3471

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JENDRYK	PAUL		NL7 BJ	6320 LOST CIR	ANCHORAGE	AK	99502	H:248-5312 W:261-3120
JENNINGS	JAY IVAN		KL7 JGU	17033 124th AVE SE	SEATTLE	WA	98058-6036	
JENNINGS	MEL		WL7 NE	POB 671008	CHUGIAK	AK	99567-1008	H:696-7648 W:344-1921
JOHNSON	CAMEALE		WL7 KI	3605 ARCTIC BL #1444	ANCHORAGE	AK	99503	H:248-5779
JOHNSON	GERARD		NL7 OO	601 CEDAR PARK CIR	ANCHORAGE	AK	99515	H:349-5104 W:659-2487
JOHNSON	RICHARD	(PO MVD NFA)		POB 230531	ANCHORAGE	AK	99523-0531	H:344-4050 W:274-0603
JOHNSON	WILL		WA0 LKT	POB 984	DILLINGHAM	AK	99576	H:842-2793 W:243-1011
JONES	GIL		WL7 EC	POB 620201	FT. RUCKER	AL	36362-0201	205-774-6547
JONES	JOHN	J.	NL7 A	8260 E. 20TH AV	ANCHORAGE	AK	99504	H:333-7888 W:243-2153
KELLIHER	HANNELORE		NL7 EA	11317 TERRACE HILLS	EAGLE RIVER	AK	99577	H:694-3722
KELLIHER	MARK		KL7 TQ	11317 TERRACE HILLS	EAGLE RIVER	AK	99577	H:694-3722 W:269-1147
KELLY, JR	ROBERT K	& FAMILY	WL7 EN	13530 EBBTIDE CIR	ANCHORAGE	AK	99516	H:345-4314 W:659-8631
KIESTER	TOM	(PO TEMP AWY)	NL7 GA	5902 DEBARR RD	ANCHORAGE	AK	99504-2310	
KLETKA	FRED		KL7 SE	POB 364	ABERDEEN	WA	98520-0089	
KNAPP	GUNNAR		WL7 G	3730 WESLEYAN DR	ANCHORAGE	AK	99508	H:333-3195 W:786-7717
KNOX	RICK		KL7 IZC	POB 4512	VANCOUVER	WA	98662-4512	360-253-2270
KOHLER	ARTHUR		WL7 MX	8660 FLEMING DR	ANCHORAGE	AK	99502	243-8441
KOTSCH	RICHARD	W.		SRA-8585	INDIAN	AK	99540	H:653-7203 W:274-6277
KRUSHENSKY	DANIEL	J.	AL7 S	494 FREDERICKS DR	ANCHORAGE	AK	99504-1162	H:333-0060 W:552-3483
LAIDLER	JIM		WL7 VK	2430 KARLUK ST	ANCHORAGE	AK	99508-3962	
LANE	KENNETH		KL7 HH	1519 ERMINE	ANCHORAGE	AK	99504	H:337-2092 W:272-0034
LARSON	JAMES H	'JIM'	AL7 FS	3445 SPINNAKER DR	ANCHORAGE	AK	99516	H:345-3190 W:264-7335
LARSON	KENT	(PO RTND)	KL7 SD	POB 653	FT. DUCHESNE	UT	84026	
LARSON	STEPHANIE	A.	WL7 SV	7440 PETERSBURG ST.#2	ANCHORAGE	AK	99507	H:522-4228 W:271-6380
LARSON	GEOFFREY	M.		7440 PETERSBURG ST.#2	ANCHORAGE	AK	99505	H:522-4228
LAWRENCE	DAVID		KL7 HAB	6650 VALENTINE CIR	ANCHORAGE	AK	99507	
LAWS	CLAUDE	V.	KL7 IBZ	2603 114TH AV SW	OLYMPIA	WA	98502	W:206-753-3489
LAWS	MARY		NL7 DM	2603 114TH AV SW	OLYMPIA	WA	98502	H:206-357-8117
LAWSON	JOHN		NL7 NC	3731 STELLAR DR	ANCHORAGE	AK	99504	H:337-2467 W:265-6309

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LEWIS	NED		WL7 VH	9300 CAMPBELL TER	ANCHORAGE	AK	99515	H:243-5322 W:243-1141
LIVINGSTON	MICHAEL		WL7 NA	1713 NORTHWESTERN AV #B	ANCHORAGE	AK	99508	H:333-5658 W:786-8900
LIVINGSTON	ESTHER V	(PORTND)	WL7 EV	POB 116	CHIGNIK	AK	99564-0116	
LIVINGSTON	ROBERT	(PORTND)	KL7 RY	POB 116	CHIGNIK	AK	99565-0116	
LOHKAMP	LAWRENCE		AB4 BN	19720 CANYON VIEW DR	EAGLE RIVER	AK	99577	H:696-1952 W:561-8060
LUPO	BOB		W7 IC1	POB 773166	EAGLE RIVER	AK	99577-3166	H:694-5678 W:428-6960
MacGREGOR	SHARI	K.	AL7 FJ	3200 UPLAND DR	ANCHORAGE	AK	99504	H:337-4194 W:562-8444
MAGNER	JOE		WL7 IY	1711 GEORGE BELL CIR	ANCHORAGE	AK	99515	H:345-1667
MAHER	EDWARD	L.	NL7 VP	3032 W. 42ND PL. #3	ANCHORAGE	AK	99517	H:243-4348 W:271-2675
MALLAY	BETTY	C.	KL7 AP	POB 111778	ANCHORAGE	AK	99511-1778	H:345-7379 W:243-2153
MANDERY	HAL		KK4 UN	6305 LAKELAND LANE	INDIANAPOLIS	IN	46234	317-858-7421 w:858-0856
MANEY	RODNEY	G.	KL7 SA	130 SORCERER CT	ANCHORAGE	AK	99518	H:344-3163 W:753-0518
MARSHALL	DIANNE		AL7 FG	972 BALLAINE RD	FAIRBANKS	AK	99709	H:479-5819 W:474-5534
MARVIN	LILLIAN		NL7 DL	1030 DENALI ST	ANCHORAGE	AK	99501	H:277-6741
MARVIN	RICK		KL7 YF	1030 DENALI ST	ANCHORAGE	AK	99501	H:277-6741 W:264-8439
McCLELLAN	ERNEST		WL7 SR	200 W. 34TH AV #215	ANCHORAGE	AK	99503	H:243-6442 W:279-3500
McCORMICK	BRUCE	W.	WL7 YR	611 LORI DR	ANCHORAGE	AK	99504	H:333-0340 W:274-7923
McCORMICK	SCOTT		WL7 CJM	611 LORI DR	ANCHORAGE	AK	99504	H:333-0340
McCROREY	GARY		AL7 BL	HC 67 BOX 660	ANCHOR POINT	AK	99556-9702	
McCURDY	MARNA		NL7 WT	2150 PATSY ST	WASILLA	AK	99654-3225	H:373-6160
McGURREN	ELIZABETH	S.	WL7 KM	4101 E. 66TH AV	ANCHORAGE	AK	99507	H:552-1551
McKENZIE	GUS	E.	AL7 IR	3701 TAIGA DR	ANCHORAGE	AK	99516	H:345-0980 W:271-5359
McKINNEY	REED		KL7 MJ	2010 MOORE	ANCHORAGE	AK	99504	H:333-2659 W:266-3692
McKINNIE	BOB		AL7 AW	5602 ELISA LN	PARKER	TX	75002	214-442-7251
McLAUGHLIN	CATHLEEN		NL7 UY	11600 TRAILS END RD	ANCHORAGE	AK	99516	H:346-3776 W:258-2000
McLAUGHLIN	MICHAEL	S.	WA7 USX	11600 TRAILS END RD	ANCHORAGE	AK	99516	H:346-3776 W:276-5121
MEARS	JOHN	R.	AL7 LA	POB 863	PALMER	AK	99645	H:745-6835 W:786-1177
MEIERHOFF	DON		KL7 GRG	3637 NORTH POINT DR	ANCHORAGE	AK	99515	H:243-1046 W:248-6893
MEIERHOFF	NITA		WL7 OQ	3637 NORTH POINT DR	ANCHORAGE	AK	99515	H:243-1046

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MENARD	BIMJI		KL7 NG	POB 13168	TRAPPER CREEK	AK	99683	H:733-2515
MENARD	GEORGE		KL7 BW	POB 13168	TRAPPER CREEK	AK	99683	H:733-2515 W:733-2515
MEYER	BARBARA	A.	AL7 OA	2701 KOBUK CT	ANCHORAGE	AK	99508	H:277-8365 W:276-6422
MEYER JR	JOHN	F.	AL7 OG	2701 KOBUK CT	ANCHORAGE	AK	99508	H:277-8365 W:762-2187
MICHAEL	SUE		AL7 BN	842 W 75TH AV	ANCHORAGE	AK	99518	H:349-1673 W:271-3162
MICHAEL	TIM		NL7 D	842 W 75TH AV	ANCHORAGE	AK	99518	H:349-1673 W:564-9610
MILLER	DORIS		WL7 BC	351 DANNILYN CIR	ANCHORAGE	AK	99504	333-2572
MILLER	WARREN	D.	NL7 UP	351 DANNILYN CIR	ANCHORAGE	AK	99504	333-2572
MILLS	BRUCE	W.	KL7 JDR	POB 1500	SOLDOTNA	AK	99669-1500	H:262-4373 W:659-5491
MINTON	JAMES		KL7 JJJ	POB 190121	ANCHORAGE	AK	99519	H:248-1965 W:562-2242
MIRANDA	MARCOS	HOLD	WL7 JS	POB 33204	SEATTLE	WA	98133-0204	
MISSAL	WILLIAM	T.	K8 BK	12000 AUDUBON DR	ANCHORAGE	AK	99516-2420	H:345-7520 W:243-1902
MOCKERMAN	ALICE	L.	WL7 CAD	POB 520442	BIG LAKE	AK	99652-0442	H:892-6168
MOCKERMAN	GENE		KL7 GID	POB 520442	BIG LAKE	AK	99652-0442	H:892-6168
MOODY	CATHERINE	'CATHI'	KL7 NR	PO BOX 305	ELMENDORF AFB	AK	99506-0305	
MOODY JR	JAMES	L.	NL7 C	17320 MEADOW CREEK DR	EAGLE RIVER	AK	99577	H:694-4077
MORAN	LARRY	L.	NL7 SZ	23307 EAGLE RIVER RD	EAGLE RIVER	AK	99577	H:696-2490 W:762-3726
MORGAN	WILSE	G.	KL7 CQ	POB 2210	CAMP VERDE	AZ	86322	602-567-4294
MORRIS JR	EUGENE		KL7 OK	2039 SHEPHERDIA DR	ANCHORAGE	AK	99508	H:272-1400 W:271-5906
MORRISON	STEVEN	A.	KL7 ZJ	POB 210313	ANCHORAGE	AK	99521-0313	H:337-7556 W:561-1030
MURRAY	JOHN E		NL7 WW	POB 771916	EAGLE RIVER	AK	99577-1916	H:696-7561
NAUMANN	MIKE		KL7 DZE	2392 WALDRON DR	ANCHORAGE	AK	99507	H:563-3952
NAY	BLAINE	S.	NL7 EL	8130 DAGAN ST	ANCHORAGE	AK	99502-4635	H:243-8130
NEELEY	MARTHA		KL7 QS	RT2 BX308 CHEYENNE MT EST	COPPERAS COVE	TX	76522	817-547-5501
NEELEY	WALTER		W5 AHO	RT2 BX308 CHEYENNE MT EST	COPPERAS COVE	TX	76522	817-547-5501
NELSON	TED		KL7 JBT	F101723, POB 44209	CINCINNATI	OH	45244-0209	H:338-5057 (LOCAL #)
NIEDERHOFFER	SANDY		WL7 VD	200 W. 34TH AV #215	ANCHORAGE	AK	99503	H:258-2009
NIGHTINGALE	GREGORY		NL7 H	14607 NE 26TH AV	VANCOUVER	WA	98686-2115	
NIGHTINGALE	GORDON		KL7 GN	2426 REDWOOD ST	ANCHORAGE	AK	99508-3969	H:279-1225

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NIGHTINGALE	PATRICIA		WL7 NH	2426 REDWOOD ST	ANCHORAGE	AK	99508-3969	H:279-1225
NORRIS	JOHN		WL7 UL	4010 TRURO DR	ANCHORAGE	AK	99507	H:344-2163
O'BARR	DAN		WL7 BD	801 LUCAS RD #4	WASILLA	AK	99654-6256	H:373-2569 W:659-6500
O'BARR	GRETCHEN I		WL7 IN	801 LUCAS RD #4	WASILLA	AK	99654-6256	H:373-2569
O'BARR, JR	DAN		WL7 CL	801 LUCAS RD #4	WASILLA	AK	99654-6256	H:373-2569
O'CONNOR	FRANK R		WL7 ZU	3080 AMBER BAY LOOP	ANCHORAGE	AK	99515	H:349-1908 W:762-2235
O'CONNOR	KRIS		WL7 ZT	3080 AMBER BAY LOOP	ANCHORAGE	AK	99515	H:349-1908
O'CONNOR	RICHARD		WL7 CPG	3080 AMBER BAY LOOP	ANCHORAGE	AK	99515	
O'NEAL	THOMAS P		NL7 QA	8230 E. 10TH AV	ANCHORAGE	AK	99504	H:337-8170
OFFERDAHL	JOHN		KC9 XH	110 LINCOLN ST	VERONA	WI	53593	608-845-7790
OFFERDAHL	RITA		N9 EZX	110 LINCOLN ST	VERONA	WI	53593	608-845-7790
OLENDORFF	MARY		KL7 BJD	IN MEMORY	ANCHORAGE	AK		SILENT KEY
ORELLA	JOHN D		KL7 LL	P.O. Box 3131	San Pedro	CA	90731-0289	
PAERLS	ERIC		WL7 JM	P.O.BOX 315	GIRDWOOD	AK	99587	H:783-1001
PAERLS	LISA		NL7 MC	P.O.BOX 315	GIRDWOOD	AK	99587	H:783-1001
PAGE	MARGIE		KL7 GLU	3533 THOMPSON	ANCHORAGE	AK	99508	H:279-1240
PAGE	ROBERT	"BOB"	KL7 HIU	3533 THOMPSON	ANCHORAGE	AK	99508	H:279-1240
PAGH	CORDELL	W.	NL7 ZB	IN MEMORY	ANCHORAGE	AK		SILENT KEY
PEDERSEN	DALLAS	D.	WB7 AKX	2211 N VASSAULT ST	TACOMA	WA	98406-2522	
PERRY	KENNETH	J.	AL7 GA	3420 CHERRY ST	ANCHORAGE	AK	99504-4121	H:338-4007 W:344-2538
PETERS	LEON	R.	KB7 CAX	44608 228TH AV S.E.	ENUMCLAW	WA	98022	206-825-3372
PETTIS	TIMOTHY	'TIM'	KL7 WE	12950 MISSION CIR	ANCHORAGE	AK	99516-2759	H:345-3650 W:264-7818
PHIELPS	RICHARD	'DICK'	K7 TPN	3590 RND BOTOM RD #162708	CINCINNATI	OH	45244-3000	
PHIFER	WILLIAM	D.	AL7 IG	4830 SPORTSMAN DR	ANCHORAGE	AK	99502-4104	H:243-0433
PIENIAOZ	JOHN		NL7 AJ	148 FORST LN	HARLEYVILLE	SC	29448	
PLACK	RICHARD		KE6 LHO	P.O. BOX 1213	PALMER	AK	99645	H:745-5222
PLUMB	EARL		KL7 EQX	1212 H ST	ANCHORAGE	AK	99501	H:272-2929
POWELL	BILL		WL7 VL	8450 PIONEER DR	ANCHORAGE	AK	99504	H:333-7793 W:333-7934
PRATT	DICKSON	G.	KL7 IWY	5805 S. LAKESIDE DR	HARRISON	ID	83833	

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PRATT	FRANK		AL7 CA	7446 E. 20TH AV	ANCHORAGE	AK	99504	H:333-8212 W:337-1211
PRESLEY	RANDY		KL7 JDS	POB 220573	ANCHORAGE	AK	99522-0573	H:373-4605 W:659-8049
PRESTON	CHARLES		KL7 OA	POB 240027	ANCHORAGE	AK	99524	H:344-5164
PRESTON	KARIN	E.	KL7 JES	POB 240027	ANCHORAGE	AK	99524	H:344-5164 W:786-7037
RAYNSFORD	WILLIAM	J.	AL7 JK	18730 MAN-O-WAR RD	EAGLE RIVER	AK	99577-8335	H:696-7830 W:265-5650
REITER	WILLIAM	'BILL'	KL7 ITI	3343 WESLEYAN DR	ANCHORAGE	AK	99508	H:337-1779 W:552-2727
REXFORD	FENTON		NL7 BE	POB 137	KAKTOVIK	AK	99747-0137	
REYNOLDS	SHERMAN		KL7 QY	2848 LORE RD	ANCHORAGE	AK	99507	H:344-2775
RICHARDS	JOHN		KL7 XR	POB 91018	ANCHORAGE	AK	99509-1018	H:248-7696 W:564-4224
RICHARDSON	MIKE		WL7 EI	3801 McCAIN LP	ANCHORAGE	AK	99503	H:562-7397 W:786-1380
ROGERS	JOHN		KL7 IEL	POB 878690	WASILLA	AK	99687-8690	H:373-7814 W:745-9731
RONNE JR	MARSHALL		KL7 EU	POB 432	SEWARD	AK	99664-0432	
ROOKUS	HARVEY	E.	NL7 DK	3310 CHECKMATE DR	ANCHORAGE	AK	99508	H:333-4693
ROSENTHAL	HERBERT	'HERB'	WV5 Q	10508 KAREN AV NE	ALBUQUERQUE	NM	87111-3810	
ROSSINI	GUY	H.	NL7 AD	100 BUNNELL ST. #1B	ANCHORAGE	AK	99508-5819	H:345-6038 W:265-8845
RUMERY	BRYCE		AL7 DL	75 OCEAN HOUSE RD	CAPE ELIZABETH	ME	04107-1111	
RUNYAN	RACHEL L.		AL7 FI	21551 OLD GLENN HWY	CHUGIAK	AK	99567-5632	H:688-2963 W:746-8699
RUTIGLIANO	THOMAS		NL7 TZ	HC 30 BOX 5388	WASILLA	AK	99654	H:376-2857
RYAN	MAEVE		KL7 TJ	9223 W. PARKVIEW TERR LP	EAGLE RIVER	AK	99577	H:694-9289
SANDEL	KYLE			8811 JULY CREEK CIR	EAGLE RIVER	AK	99577	H:696-4501 W:564-4407
SAUNDERS	KAREN		WL7 KS	POB 230268	ANCHORAGE	AK	99523-0268	H:349-4372 W:267-2105
SAUNDERS	MEL		AL7 PB	POB 230268	ANCHORAGE	AK	99523-0268	H:349-4372 W:279-0543
SCHMIDT	ROBERT		WA0 VNY	POB 202993	ANCHORAGE	AK	99520-2993	H:272-0896 W:271-4737
SCHNEIDER	STEPHEN		KL7 ISP	1650 BETULA CIR	ANCHORAGE	AK	99507	H:349-6772 W:276-2696
SCHROEDER	STEVE		KL7 ML	720 SCIROCCO DR	YUBA CITY	CA	95991-7573	
SCHWANKL	DAVID	N.	AL7 NQ	POB 3471	PALMER	AK	99645-3471	H:745-4873
SCOTT	RUSSELL	E.	KL7 EM	2522 6TH AVENUE	CANYON	TX	79015-4176	
SEARCY	LINDA		NL7 FY	311 SHADOW LANE NE	OLYMPIA	WA	98506	
SEIFERT	GEORGE		WL7 ZQ	POB 221861	ANCHORAGE	AK	99522-1861	H:344-4994

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SHAFFER	RIK	V.	KL7 HKH	POB 5385	KENT	WA	98064	206-639-0927
SHARROCK	GEORGE		NB4 U	317 A ST #519	ANCHORAGE	AK	99501	H:276-6566
SHELDON	CAROL		WL7 CEF	3426 VASSAR DR	ANCHORAGE	AK	99508	H:277-2708 W:271-3171
SHELDON	JOHN		NL7 OH	3426 VASSAR DR	ANCHORAGE	AK	99508	H:277-2708 W:552-4460
SHELEY	ROGER	L.	NL7 RY	8830 GREENBELT DR	ANCHORAGE	AK	99502	H:243-8950
SHIVE	BARBARA		KL7 ZH	POB 111465	ANCHORAGE	AK	99511-1465	H:345-5348 W:349-4402
SHULL	JOHN	W.	W4 IGM	1410 WOLVERINE	ANCHORAGE	AK	99504	H:333-6858 W:552-3099
SMITH	ROBIN		AL7 CB	19332 WAR ADMIRAL RD	EAGLE RIVER	AK	99577	
SMYERS	DAVID		KL7 OY	7900 KIANA CIRCLE	ANCHORAGE	AK	99507	H:344-4344 W:659-2800
SOCKOLOSKY	TOM		WL7 S	2900 BONIFACE RM 288	ANCHORAGE	AK	99504	
SOLDIN	EMITT		KL7 ANV	806 W. 74TH AV	ANCHORAGE	AK	99518	H:344-3016
SOLTIS	DEBBIE		NL7 AC	POB 670670	CHUGIAK	AK	99567	H:688-2896
SOLTIS	FRANCIS		KL7 UQ	POB 670670	CHUGIAK	AK	99567	H:688-2896
SOMMER	ROBERT	C.	NL7 HT	POB 165	GALENA	AK	99741	
SPATZEK	PAUL		WL7 BF	652 PEARL DR	ANCHORAGE	AK	99518-1835	H:563-0024 W:562-3456
SPENCER	ROBERT	PO MVD NFA	KL7 YZ					
SPIVEY	JOEL	W	N4 ERF	433 DAILEY AV #11	ANCHORAGE	AK	99515	H:349-5249 W:344-2581
STEVENS	DAVID		KL7 EB	POB 113242	ANCHORAGE	AK	99511-3242	H:345-6506 W:272-1213
STEVENS	DANIEL		KL7 WM	POB 201111	ANCHORAGE	AK	99520-1111	H:345-5933 W:261-7645
STEVES	HAL		KL7 HJD	857 OLD MELROSE RD	ROSEBURG	OR	97470-8232	503-672-3442
STEWART	ARLENE		KL7 HO	12102 LILAC CIR	ANCHORAGE	AK	99516	H:345-1530
STEWART	HARLEY		KL7 IZZ	12102 LILAC CIR	ANCHORAGE	AK	99516	H:345-1530
STEWART	JIM		WL7 HZ	10942 IDITAROD CIR	EAGLE RIVER	AK	99577	H:694-2178 W:659-8640
STEWART	ERIC	D.	AL7 IM	POB 200948	ANCHORAGE	AK	99520-0948	H:345-5871 W:263-4915
STOWERS	DOUGLAS	T.	WL7 CDC	1051 E. 26TH AV	ANCHORAGE	AK	99508	H:279-8985
STRAIN	LARRY	W.	N7 DF	6401 E. 8TH AV	ANCHORAGE	AK	99504	H:338-2718 W:273-0128
STRAIT	DENNIS		NL7 DN	7937 PAINE RD	ANCHORAGE	AK	99516	H:345-2377 W:345-4428
STROTHER	GEORGE	C.	KL7 DV	POB 87-1870	WASILLA	AK	99687-1870	H:376-3865 W:745-9810
SWANSON	JERRY	R.	AL7 HS	8407 MENTRA ST	ANCHORAGE	AK	99518-2906	H:344-9329 W:753-2737

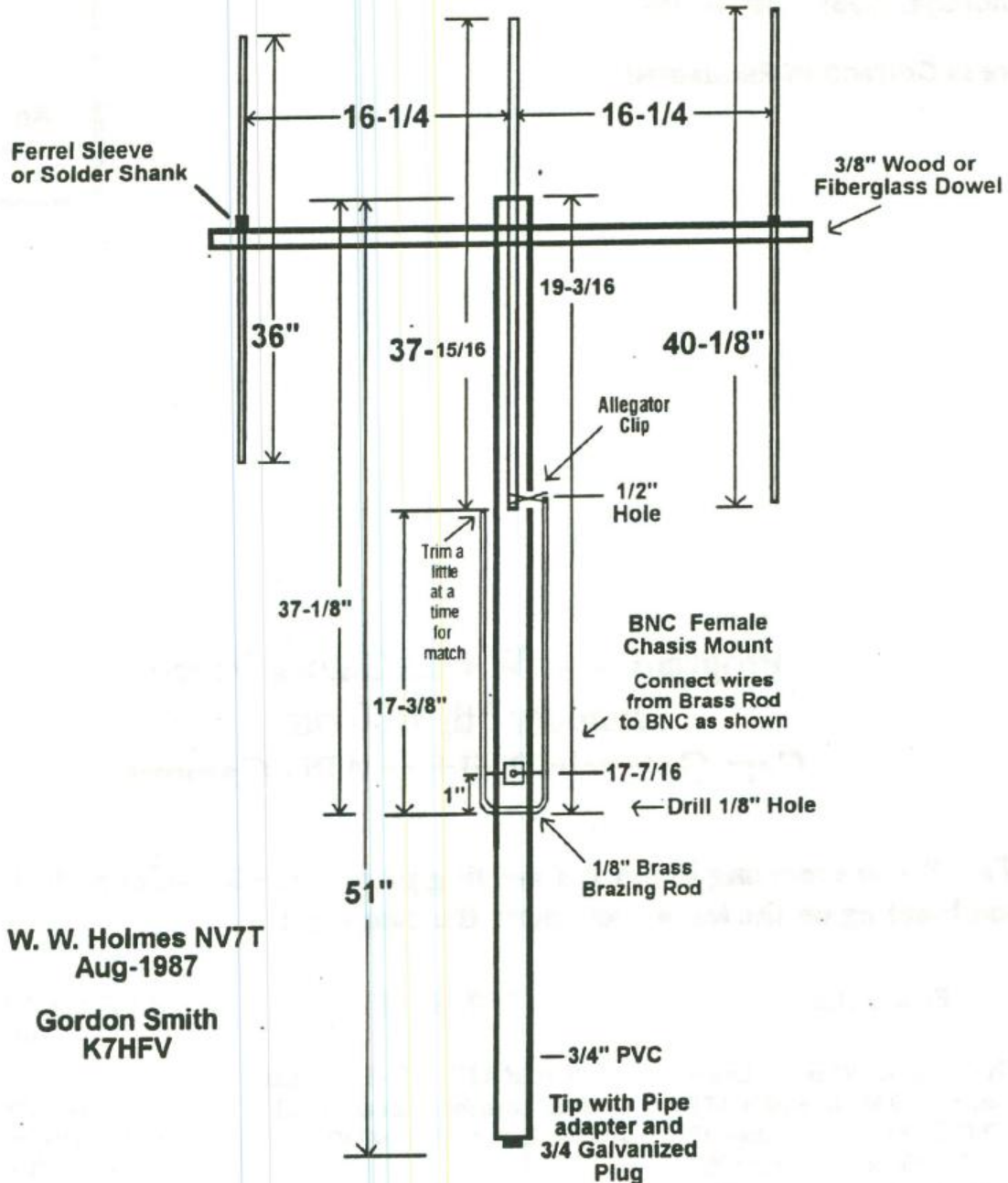
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TABER	JOHN	A.	AL7 EG	1901 RBEL RIDGE DR	ANCHORAGE	AK	99504	H:338-0723 W:384-3645
TALBOTT	JOSEPH		KL7 NK	3622 W. 41ST AV	ANCHORAGE	AK	99517	H:243-7837 W:248-3747
TAYLOR	ART		KL7 SK	POB 1060	TENINO	WA	98589-1060	206-264-5676
THALAKER	NEIL		KL7 BGZ	1540 W. 15TH AV	ANCHORAGE	AK	99501	H:276-7106 W:271-5315
THOMAS	BILL		KL7 KI	RR 1 BOX 24A	SPRING CREEK	PA	16436-9710	
THOMAS	EVERETT	A.	W0 NVD	10534 CHATANIKA LP	EAGLE RIVER	AK	99577	H:694-3889
THORSNESS	GERIANNE		WL7 RY	7027 CARAVELLE DR	ANCHORAGE	AK	99502	H:248-7027 W:261-3120
TOLLEY	STEVE		KL7 FZ	POB 878201	WASILLA	AK	99687-8201	H:373-0979 W:376-6467
TRUAX	WINSLOW	S.	WL7 QH	POB 190874	ANCHORAGE	AK	99519-0874	H:333-3255 W:249-1455
TUCKER	ED		KL7 DU	POB 65656-390	LUBBOCK	TX	79464-5724	
TURNER	GLEN		NF7 T	RR1 BOX 53	PURCELL	OK	73080-9801	
TURNER	ALLEN		KL7 GU	923 W. 11TH AV	ANCHORAGE	AK	99501-4306	H:274-1246
TWIGGS	JOHN	'JACK'	KL7 HJZ	205 E. DIMOND BLVD #338	ANCHORAGE	AK	99515-1909	W:271-5802
VALDROW, SR	LEO	J.	WL7 IZ	7621 MARYLAND AV	ANCHORAGE	AK	99504	H:337-6474 W:266-3250
VANDERLEEST	DOUGLAS	(TMP AWY)	NH6 XU	6712 LUNAR DR	ANCHORAGE	AK	99504	H:333-5505
VOGEL	DAVE		WA9 C	6227 Kratz Ave.	EVANSVILLE	IN	47710	812-423-6775
WALTER	LAWRENCE	H.	KL7 IWC	POB 33915	JUNEAU	AK	99803-3915	
WALTERS	BEN		KL7 GBC	1034 E. 27TH AV	ANCHORAGE	AK	99508	H:277-1971 W:343-6424
WALTERS	HENRY	G.	AL7 HY	17467 KAHILTNA DR.	EAGLE RIVER	AK	99577	H:696-3595 W:271-5360
WARD	WILLIAM		KL7 JFJ	9440 CANTON LP	ANCHORAGE	AK	99515	H:349-4524 W:243-4822
WARNER	WILMOT	'MEL'	WL7 J	6758 BUENA VISTA DR	MARGATE	FL	33063-8308	
WEATHERLY	MARV		KL7 NU	POB S	ALAMEDA	CA	94501-0274	
WEED	ROGER		KL7 HOT	2728 IRENE CIR #D	DULUTH	GA	30136-4150	404-476-0075
WEGMER	FRED		KL7 HFM	POB 536	FOWLERTON	TX	78021	201-373-4445
WHITE	SANDRA		NL7 JY	923 W. 73rd Ave.	Anchorage	AK	99518	hm349-0923 wk263-8525
WILCOX	STEPHEN	A.	KL7 JIM	3631 SCAMMON BAY CIR	ANCHORAGE	AK	99515	H:349-5056 W:343-6824
WILKE	PATRICK	V.	WL7 JA	1317 W. N. LIGHTS BL #501	ANCHORAGE	AK	99503	H:248-0384 W:242-0590
WILKIE	DAVID	G.	AL7 LH	POB 772814	EAGLE RIVER	AK	99577-2814	H:696-4550 W:267-5440
WILSON	STANTON		KL7 KU	POB 100498	ANCHORAGE	AK	99510-0498	H:279-4358

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WILSON	ROBERT		AL7 KK	POB 110955	ANCHORAGE	AK	99511-0955	H:248-0976 W:271-5304
WOLFE	JOHN	R.	AA0 NN	6402 HAMPTON DR.	ANCHORAGE	AK	99504	333-0598
WOLFINGTON	DELL		KL7 EKB	IN MEMORY	ANCHORAGE	AK		SILENT KEY
WOODS	SUSAN	J.	NL7 NN	POB 220054	ANCHORAGE	AK	99522	H:243-5833 W:561-2210
WOOLSEY	ROBERT		KL7 ENP	38291 DOE RD NE	HANSVILLE	WA	98340-9720	
YUN	JOHN	C.		3960 SPENARD RD #7	ANCHORAGE	AK	99517-3003	H:333-9268 W:333-9268
ZIV	JOHN	M.	NL7 YM	280 ZAPPA PL	ANCHORAGE	AK	99504	H:333-8293 W:276-6480

Walking Stick Two Meter Beam



W. W. Holmes NV7T
Aug-1987

Gordon Smith
K7HFV

Construction Notes: The U shaped piece of 1/16th inch brass rod should be bend as close as possible to the PVC and wrapped with tape. A number of variations on material can be made including the use of aluminum rod instead of brass. A panel mount PL259 can be substituted for the BNC or you might wish to try just a pig tail. In any case adjust the feed point with a SWR meter before soldering if possible. All pieces of the antenna will fit inside the PVC. You will need a PVC cap at the top.

Design edited and prepared for publication by Jerry Bennion, WR7N

Thanks to the 'Microvolt' Utah Amateur Radio Club

ANCHORAGE AMATEUR RADIO CLUB, INC.
Post Office Box 101987
Anchorage, Alaska 99510-1987

Address Correction Requested

**BULK RATE
U. S. POSTAGE**

PAID

**Anchorage, AK
Permit 223**

ROGER HANSEN
POB 520343
BIG LAKE, AK 99652
KL7 HFQ

Program - - 'Winter Games Video'
January 5th 7:00 pm
Carr-Gottstein Building APU Campus

NOTE - We are meeting in our old meeting place The Carr-Gottstein Building, the second building on the left as you enter the campus! !

FOR SALE

HENRY 3K-X 'Classic' Linear
Amplifier, 3.5 - 30 MHZ (3000 WATT
PEP, EIMAC 8877) with Factory 10
Meters. The ultimate DX Amplifier
for the Ultimate DX Station. Brand
New - Never Used. \$2,500 OBO
Bill, AL7IG, 243-0433

FOR SALE

DRAKE TR-4 with Power
Supply. Near Mint Condition.
\$225.00 Larry Volz WL7BSJ 333-
7071

FOR SALE

CUSHCRAFT R-5 Vertical
antenna. Used for a year and a half.
\$150.00 Jerry AL7HS 344-9329

FOR SALE

YAESU FT 101 ZD Tranceiver
with Manual and Mike. Good for
110 V AC or 12 V. \$375.00 OBO
Harvey NL7DK 333-4693

WANTED

ROHN 25 Tower Sections - 3
sections wanted.
Jerry AL7HS 344-9329

**ILLEGAL USE OF CALL
SIGN**

George Ronnekamp - KL7LC
HCR 69 Box 366-10
Sunrise Beach MO 65079
has contacted KL7GNP regarding
someone using his callsign. He has
been receiving QSL cards for which
he has made no contact. If you
should hear this call use discretion in
your contact and let George know
about it!

ADVERTISING

If you have a business you would like
to advertise in the Newsletter a
Business Card size ad runs
\$10/month. Contact the Editor for
details.